

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 14240
Application ID: 10063042
Title of Invention: SEGMENTED SPINE
First Named Inventor: Jason Lenz
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-03-14
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: S63.2-10057
Digital Certificate Holder: cn=Johnathan Grad, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US
Certificate Message Digest: LaByCdYRdRI7jldvFSp0lg==
Total Fees Authorized: \$906.0
Payment Category: DA - Deposit Account
Deposit Account Number: 220350
Deposit Account Name: Jonathan Grad



TRANSMITTAL FORM



Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket
Number:

S63.2-
10057

Submission Type: Utility Patent
Filing

SEGMENTED SPINE

First Named Inventor: Jason T. Lenz

SUBMITTED BY

Name:

Jonathan Grad

Registration Number:

41,795

Electronic Signature Mark: Jonathan
Grad

Date Signed: 20020313

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	10057-dec1.tif
declaration	10057-dec2.tif
declaration	10057-dec3.tif
declaration	10057-pet.tif
declaration	10057-pow.tif

declaration	s63-limited.tif
bibd-transmittal	10057apds.xml
patent-assignments	10057asgn.xml
fee-transmittal	10057fee.xml
specification	10057-app5.xml

Attached Image File(s):

10057-dec1.tif
10057-dec2.tif
10057-dec3.tif
10057-pet.tif
10057-pow.tif
s63-limited.tif

Country	Year	Population (millions)	Urban population (millions)	Urban population (%)	Population density (per sq km)	Urban population density (per sq km)
Algeria	1980	11.0	4.0	36.4	10.0	25.0
Algeria	1985	11.5	4.5	39.1	10.5	26.5
Algeria	1990	12.0	5.0	41.7	11.0	28.0
Algeria	1995	12.5	5.5	44.0	11.5	29.5
Algeria	2000	13.0	6.0	46.2	12.0	31.0
Algeria	2005	13.5	6.5	48.1	12.5	32.5
Algeria	2010	14.0	7.0	50.0	13.0	34.0
Algeria	2015	14.5	7.5	51.7	13.5	35.5
Algeria	2020	15.0	8.0	53.3	14.0	37.0
Algeria	2025	15.5	8.5	54.8	14.5	38.5
Algeria	2030	16.0	9.0	56.3	15.0	40.0
Algeria	2035	16.5	9.5	57.6	15.5	41.5
Algeria	2040	17.0	10.0	58.8	16.0	43.0
Algeria	2045	17.5	10.5	60.0	16.5	44.5
Algeria	2050	18.0	11.0	61.1	17.0	46.0
Algeria	2055	18.5	11.5	62.2	17.5	47.5
Algeria	2060	19.0	12.0	63.2	18.0	49.0
Algeria	2065	19.5	12.5	64.1	18.5	50.5
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Algeria	2075	20.5	13.5	65.9	19.5	53.5
Algeria	2080	21.0	14.0	66.7	20.0	55.0
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Algeria	2090	22.0	15.0	68.2	21.0	58.0
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Algeria	2190	32.0	25.0	78.1	31.0	88.0
Algeria	2195	32.5	25.5	78.5	31.5	89.5
Algeria	2200	33.0	26.0	78.8	32.0	91.0
Algeria	2205	33.5	26.5	79.1	32.5	92.5
Algeria	2210	34.0	27.0	79.4	33.0	94.0
Algeria	2215	34.5	27.5	79.7	33.5	95.5
Algeria	2220	35.0	28.0	80.0	34.0	97.0
Algeria	2225	35.5	28.5	80.3	34.5	98.5
Algeria	2230	36.0	29.0	80.6	35.0	100.0
Algeria	2235	36.5	29.5	80.8	35.5	101.5
Algeria	2240	37.0	30.0	81.1	36.0	

[illegible]

UTILITY/DESIGN PATENT
 Dossier No. S63.2-10057

DECLARATION

As a below-named inventor, I(we) hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type:

- ☒ original
☐ design
☐ supplemental
☐ national stage of PCT
☐ divisional
☐ continuation
☐ continuation-in-part (CIP)

INVENTORSHIP DECLARATION

My residence, post office address, and citizenship are as stated below next to my name:

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SEGMENTED SPINE

the specification of which:

- a) ☒ is being filed concurrently herewith
 b) ☐ was filed on _____ and assigned Serial No. _____
 c) ☐ was filed as PCT International Application No. _____ filed on _____ and amended under PCT Article 19 on _____

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations §1.56.

☐ In compliance with this duty there is attached an Information Disclosure Statement.
 37 CFR 1.97.

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d), of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me having the same subject matter having a filing date before that of the application on which priority is claimed.

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under Title 35 United States Code, §119(e) of any United States provisional application identified below.

U.S. APPLICATIONS	
APPLICATION NUMBER	U.S. FILING DATE

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. §120

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below.

U.S. APPLICATIONS	
APPLICATION NUMBER	U.S. FILING DATE
PCT APPLICATIONS DESIGNATING THE U.S.	
PCT APPLICATION NO.	PCT FILING DATE

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

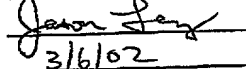
Telephone calls and correspondence should be directed to: Jonathan Grad, at
Customer No. 490. Telephone: (952) 563-3000. Facsimile: (952) 563-3001.

First Inventor

Full name

Jason T. Lenz

Inventor's signature



Date

3/6/02

City, state

U.S.

Post office address

444 Eldridge Avenue East
Maplewood, MN 55117

Residence

(If different than above)

Second Inventor

Full name

Inventor's signature

Date

City, state

Post office address

Residence

(If different than above)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	Jason T. Lenz
Title:	SEGMENTED SPINE
Filed:	<input checked="" type="checkbox"/> concurrently herewith
	<input type="checkbox"/> on _____ and assigned Serial No. _____

Box Patent Application
Commissioner for Patents
Washington, D.C. 20231

Docket No.: S63.2-10057

CONSTRUCTIVE PETITION FOR EXTENSION OF TIME AND FEE
AUTHORIZATION PURSUANT TO 37 C.F.R. §1.136(a)(3)

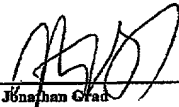
Applicant hereby requests that the United States Patent and Trademark Office treat any concurrent or future reply requiring a petition for an extension of time pursuant to §1.136 for its timely submission as incorporating therein a petition for an extension of time for the appropriate length of time.

Applicant authorizes the Commissioner of Patents and Trademarks to charge all required extension of time fees that have not otherwise been paid to Deposit Account No. 22-0350.

Respectfully submitted,
VIDAS, ARRETT & STEINKRAUS

Date: March 13, 2002

By:


Jonathan Grad
Registration No. 41,795

6109 Blue Circle Drive, Suite 2000
Minnetonka, MN 55343-9185
Telephone: (952) 563-3000
Facsimile: (952) 563-3001

UTILITY/DESIGN PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	Jason T. Lenz
Title:	SEGMENTED SPINE
Filed:	<input checked="" type="checkbox"/> concurrently herewith
	<input type="checkbox"/> on _____ and assigned Serial No. _____

Commissioner for Patents
Washington, DC 20231

Docket No: S632-10057

POWER OF ATTORNEY FROM ASSIGNEE

As assignee of record of the entire interest of the above identified patent application, SCIMED LIFE SYSTEMS, INC. hereby appoint all practitioners of Customer No. 490 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. I hereby authorize them to act and rely on instructions from, and to communicate directly with, the firm or person which set this case to Vidas, Arrett & Steinkraus, P.A., unless or until I instruct Vidas, Arrett & Steinkraus P.A., in writing to the contrary.

Address all correspondence to Jonathan Grad at Customer Number 490.

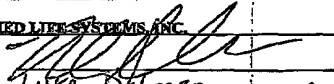
Dated this 6th day of March, 2002.

(Company Name)

SCIMED LIFE SYSTEMS, INC.

(Signature)
(Typed name)

By:



(Title)

Its:

Luke Bohmer
Chief Patent Counsel/Cordoba

LIMITED AUTHORIZATION TO ACT ON BEHALF OF ASSIGNEE
REGARDING CERTAIN PATENT MATTERS
EFFECTIVE THROUGH: December 31, 2002

I, Paul W. Sandman, as Senior Vice President, Secretary, and General Counsel of Boston Scientific Corporation, the controlling corporation of:

AMS Medinvent S.A.; Boston Scientific BV; Boston Scientific Corporation Northwest Technology Center, Inc.; Boston Scientific Ireland Limited; Boston Scientific Japan KK; Boston Scientific Limited; Boston Scientific Scimed, Inc. (formerly known as Schneider (USA), Inc.); Cardiovascular Innovations Canada, Inc.; Corvita Canada, Inc.; Corvita Corporation; Corvita Europe S.A.; EP Technologies, Inc.; Laboratoires Corvita S.A.R.L.; Meadox Medicals, Inc.; NAMIC Eireann Limited; NAMIC International, Inc.; Nilo Holding, S.A.; Schneider (Europe) GmbH; Schneider Belgium NV; Schneider Holland BV; Schneider Ireland BV; Schneider Puerto Rico (formerly known as NAMIC Caribe, Inc.); Schneider/NAMIC; Scimed Life Systems, Inc.; Symbiosis Corporation; Target Therapeutics, Inc.; Cardiac Pathways Corporation; Interventional Technologies, Inc.; Embolic Protection, Inc.; Quantum Corporation; Smart Therapeutics, Inc.; Radio Therapeutics Corporation; and Catheter Innovations Corp.;

hereby authorize the following registered patent attorneys/agents (1) to act on behalf of any of the corporations identified above, including Boston Scientific Corporation, with regard to any matters before the United States Patent and Trademark Office, any foreign patent offices, and any international patent entities, (2) to execute power of attorney documents on behalf of any of the corporations identified above, including Boston Scientific Corporation, to appoint and/or establish any attorneys, agents, and/or law firms to act on behalf of any of the corporations identified above, including Boston Scientific Corporation, in any foreign or international patent applications filed with any foreign and/or international patent offices, and (3) to execute assignment and ownership documents on behalf of any of the corporations identified above, including Boston Scientific Corporation, with regard to any matters before the United States Patent and Trademark Office, any foreign patent offices, and any international patent offices:

Scott T. Bluni	Reg. No. 40,916
Mark J. Casey	Reg. No. 37,796
James R. Chiapetta	Reg. No. 39,634
Luke R. Dohmen	Reg. No. 36,783
Peter J. Gafner	Reg. No. 36,517
Albert K. Kan	Reg. No. 40,672
Steven A. McAuley	Reg. No. 46,084
Todd P. Messal	Reg. No. 42,883
Robert M. Rauker	Reg. No. 40,782
William J. Shaw	Reg. No. 43,111

Paul W. Sandman
Senior Vice President, Secretary, and General Counsel

Date

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

ss.

On this 14th day of January, 2002, before me personally appeared Paul W. Sandman to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes set forth herein.

Notary Public

NONA E. HURD
NOTARY PUBLIC
My Commission Expires Oct. 4, 2002

[Notary Seal/Authentication]

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 906

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 22-0350



Deposit Account Name: Vidas, Arrett & Steinkraus

SUBMITTED BY

Authorized Name: Jonathan Grad

Electronic Signature Mark: Jonathan Grad

Date Signed: 20010313

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 27	103	\$ 18	7	\$ 126
Independent Claims: 2	102	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 126

ADDITIONAL FEES

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Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40